

Table 1: Changes to ASTER Release B RBRs
 Baseline: November 8, 1996
 CCR:

| RBR_id | req_key | req_category | segment | req_type | s_verif_method | s_verif_status | a_verif_method | a_verif_status | text | interpretation text | clarification | |
|--------------|---------|--------------|-------------|-----------|-----------------------------------|----------------|-----------------|--------------------|---|---------------------|---------------|--|
| ASTER-0010#B | 5641 | TBD | SDPS CSMS | interface | <u>analysis</u> TBD | un-verified | <u>analysis</u> | <u>un-verified</u> | ECS and ASTER GDS shall conform to the IRD Between EOSDIS Core System and Science Computing Facilities with regard to the passing of data production software and calibration coefficients between the two systems in support of data production software development | | | |
| ASTER-0020#B | 5642 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | for standard ASTER data production shall have the capability to send and | | | |

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| | | | | | | | | | ECS (EDC DAAC) shall have the capability to receive all algorithms, source code, and documentation used by the ASTER GDS to process ASTER Level 0 data to Level 1 and higher level standard products. | | |
| ASTER-0030#B | 5643 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS (EDC DAAC) shall have the capability to send and ASTER GDS shall have the capability to receive all algorithms, source code, and documentation used by ECS to process ASTER | | |

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| | | | | | | | | | Level 1 data to higher level products. | | |
| ASTER-0040#B | 80 | TBD | CSMS | interface | test TBD | un-verified | test | un-verified | ECS shall have the capability to send and ASTER GDS shall have the capability to receive EOS Long Term Science Plans. | | |
| ASTER-0045#B | 5644 | TBD | CSMS | interface | test TBD | un-verified | test | un-verified | ECS shall have the capability to send and ASTER GDS shall have the capability to receive EOS Long Term | | |
| ASTER-0100#B | 5647 | TBD | SDPS | interface | test TBD | un-verified | test | un-verified | Instrument ASTER GDS shall have the capability to send and ECS shall have the capability to receive | | |

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| | | | | | | | | | information on ASTER instrument operations and constraints that may be applicable to DAR specification. The ASTER instrument constraint information shall include (at a minimum): a. descriptive information for the ASTER instrument b. default settings for instrument configurable parameters c. range of values for instrument configurable parameters d. instrument constraint information | | |
| ASTER-0120#B | 5649 | TBD | SDPS | interface | test TBD | un-verified | test | un-verified | ASTER GDS shall | | |

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| | | | | | | | | | have the capability to send and ECS shall have the capability to receive DAR status, when requested by ECS. DAR status shall include such information as confirmation or rejection of the DAR, and notification of DAR scheduling and completion, to include at a minimum: a. Date and time b. Instrument ID c. DAR ID d. Request status e. Implementation schedule f. If rejection, then the reason for | | |
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| | | | | | | | | | the rejection. | | |
| ASTER-0130#B | 5650 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive queries for the current status of ASTER DARs which were previously submitted to the ASTER GDS by ECS. | | |
| ASTER-0700#B | 5671 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS (EDC DAAC) shall have the capability to receive Level 1a data products, including associated ancillary data, metadata, and browse. | | |

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| ASTER-0730#B | 5672 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive orbit | | |
| ASTER-0740#B | 5673 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | data anomaly notifications. ECS shall have the capability to send and ASTER GDS shall have the capability to receive repaired orbit data provided to ECS by the GSFC Flight Dynamics Facility. | | |
| ASTER-0760#B | 5674 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive data availability | | |

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| | | | | | | | | | schedules for ASTER GDS data products which were requested by ECS. | | |
| ASTER- 0770#B | 5675 | TBD | SDPS | interface | <u>test</u> TBD | un- verified | <u>test</u> | <u>un- verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive data availability schedules for ECS data products which were requested by | | |
| ASTER- 0800#B | 5676 | TBD | SDPS | interface | <u>test</u> TBD | un- verified | <u>test</u> | <u>un- verified</u> | ASTER GDS shall have the capability to send and ASTER GDS shall have the capability to receive dependent valids information related to ECS data | | |

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| | | | | | | | | | products. | | |
| ASTER-0805#B | 5677 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive dependent valids information related to ASTER | | |
| ASTER-0810#B | 5678 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | GDS data products! ECS shall have the capability to send and ASTER GDS shall have the capability to receive directory metadata related to ECS data products. | | |
| ASTER-0815#B | 5679 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall | | |

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| | | | | | | | | | have the capability to receive directory metadata related to ASTER GDS data products. | | |
| ASTER-0820#B | 5680 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive inventory | | |
| ASTER-0825#B | 5681 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | search requests shall have the capability to send and ASTER GDS shall have the capability to receive guide | | |
| ASTER-0830#B | 5682 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | search requests shall have the capability to send and ASTER GDS shall | | |

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| | | | | | | | | | have the capability to receive browse requests. | | |
| ASTER-0835#B | 5683 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive inventory | | |
| ASTER-0840#B | 5684 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | data search results ASTER GDS shall have the capability to send and ECS shall have the capability to receive guide | | |
| ASTER-0845#B | 5685 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | search results ASTER GDS shall have the capability to send and ECS shall have the capability to receive browse | | |

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| | | | | | | | | | results. | | |
| ASTER-0850#B | 5686 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive inventory | | |
| ASTER-0855#B | 5687 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | search request ASTER GDS shall have the capability to send and ECS shall have the capability to receive guide | | |
| ASTER-0860#B | 5688 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | search request ASTER GDS shall have the capability to send and ECS shall have the capability to receive | | |
| ASTER-0865#B | 5689 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | browse requests ECS shall have the capability to send and | | |

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| | | | | | | | | | ASTER GDS shall have the capability to receive inventory search results. | | |
| ASTER-0870#B | 5690 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive guide | | |
| ASTER-0875#B | 5691 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | search results ECS shall have the capability to send and ASTER GDS shall have the capability to receive | | |
| ASTER-0880#B | 5692 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | browse results ECS shall have the capability to send and ASTER GDS shall have the capability to | | |

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| | | | | | | | | | receive user authentication requests for ASTER GDS privileges of EOSDIS users. | | |
| ASTER-0885#B | 5693 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive user authentication information specifying ASTER GDS | | |
| ASTER-0890#B | 5699 | <u>mission essential</u> TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | privileges for ASTER GDS users, shall have the capability to send and ECS shall have the capability to receive user authentication requests for ECS privileges of | | |
| ASTER- | 5702 | <u>mission</u> | CSMS | interface | <u>test</u> TBD | un- | <u>test</u> | <u>un-</u> | ASTER GDS users. | | |

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| 0895#B | | <u>essential</u> TBD | | | | verified | | <u>verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive user authentication information specifying ECS privileges for ASTER GDS users. | | | |
| ASTER-0900#B | 5703 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive product requests for ASTER | | | |
| ASTER-0905#B | 5704 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | GDS data ECS shall have the capability to send and ASTER GDS shall have the capability to | | | |

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| | | | | | | | | | receive product generation requests for ASTER GDS data products. Product generation requests will include an associated product distribution request. | | |
| ASTER-0910#B | 5718 | TBD | SDPS | interface | test TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive product delivery status information. Product delivery status information contains the following information, at a minimum: | | |

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| | | | | | | | | | a. Requester identification b. Request identification c. Request status d. If rejection, then the reason for the rejection e. If delayed longer than the latest completion time specified by the user, adjusted start and stop times. | | |
| ASTER-0915#B | 5719 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the capability to receive requests for product | | |
| ASTER-0920#B | 5720 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | delivery ASTER GDS shall have the capability to send and ECS shall | | |

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| | | | | | | | | | have the capability to receive product requests for ECS data products. | | |
| ASTER-0925#B | 5721 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive product generation requests for ECS data products. Product generation requests will include an associated product distribution request. | | |
| ASTER-0930#B | 5722 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall have the capability to send and ASTER GDS shall have the | | |

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| | | | | | | | | | capability to receive product delivery status information. Product delivery status information contains the following information, at a minimum: a. Requester identification b. Request identification c. Request status d. If rejection, then the reason for the rejection e. If delayed longer than the latest completion time specified by the user, adjusted start and stop times. | | |
| ASTER-0935#B | 5723 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the | | |

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| | | | | | | | | | capability to send and ECS shall have the capability to receive requests for product delivery status. | | |
| ASTER-0950#B | 5726 | TBD | SDPS | interface | test TBD | un-verified | test | un-verified | ECS shall have the capability to send and ASTER GDS shall have the capability to receive ancillary data, including | | |
| ASTER-0955#B | 5727 | TBD | SDPS | interface | test TBD | un-verified | test | un-verified | associated ECS data. ECS shall have the capability to send and ASTER GDS shall have the capability to receive correlative data, including | | |
| ASTER-0960#B | 5728 | TBD | SDPS | interface | test TBD | un-verified | test | un-verified | associated ASTER data. ASTER GDS shall | | |

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| | | | | | | | | | have the capability to send and ECS shall have the capability to receive ancillary data, including associated metadata. | | |
| ASTER-0965#B | 5730 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive correlative data, including | | |
| ASTER-1000#B | 5731 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | associated ECS shall have the capability to send and ASTER GDS shall have the capability to receive ECS system and network | | |
| ASTER-1005#B | 5732 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | management ECS shall | | |

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| | | | | | | | | | have the capability to send and ASTER GDS shall have the capability to receive requests for ASTER GDS network management information. | | |
| ASTER-1010#B | 5733 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ASTER GDS shall have the capability to send and ECS shall have the capability to receive ASTER GDS system and network | | |
| ASTER-1015#B | 5734 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | management information. ASTER GDS shall have the capability to send and ECS shall have the capability to receive requests for | | |

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| | | | | | | | | | ECS system management information. | | |
| ASTER-1060#B | 5740 | <u>mission essential</u> TBD | FOS SDPS CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | ECS shall provide support for Transport Control Protocol/Internet Protocol (TCP/IP) communications protocols to the U.S. Gateway for ASTER GDS | | |
| ASTER-2060#B | 5743 | TBD | SDPS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | communication. The ECS SDPS function of receiving science data shall have an operational availability of 0.999 at a minimum and an MDT of two (2) hours or less. | | |
| ASTER-2080#B | 5744 | TBD | CSMS | interface | <u>test</u> TBD | un-verified | <u>test</u> | <u>un-verified</u> | The ECS function for gathering and disseminating management | | |

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| | | | | | | | | | information shall have an operational availability of .998 at a minimum and an MDT of 20 minutes or less, for critical services. | | |
| ASTER-5000#B | 5745 | TBD | SDPS | performance | test TBD | un-verified | test | un-verified | The estimated volume of ASTER Level 1a data sent from the ASTER GDS to ECS is 131.472 GB/day. | | |
| ASTER-5010#B | 5746 | TBD | SDPS | performance | test TBD | un-verified | test | un-verified | The estimated volume of ASTER Level 1b data sent from the ASTER GDS to ECS is the data volume that results when at least 40% of the ASTER Level 1a data is processed to Level 1b. | | |